

MEMORANDUM TO: The-Files

DATE: 18 December 1957

FROM :

STAT

SUBJECT : Analysis of Technical Surveillance Countermeasures

1. The NSC report in question does not purport to be comprehensive with respect to all detection systems possible. Insufficient documentary information relevant to evaluation of opposition potential in the audio surveillance field precludes any attempt to effectively analyze what precisely constitutes the greatest or least threat from the standpoint of emphasis on a particular countermeasure application.

2. It is suggested that a more comprehensive approach be made to ascertain precisely what constitutes a specific problem in technical surveillance countermeasures. At the risk of being patently elementary the basic problem is that of confining the description to aspects of the problem itself rather than wandering over into suggested solutions before completing the analysis of what comprises the overall problem. No countermeasure problem is adequately described which does not include what would be an acceptable resolution of the problem.

3. A suggested format follows:

Phase I

- (a) Define the problem.
- (b) State the acceptable answer or answers.

Phase II

- (a) Interpret the problem into mathematical terms.
- (b) Reduce to electronic resolution.
The answer will be specifically yes or no.

4. Submitted herewith is a suggested method of procedure:

SUBJECT : Microphone Detection

PROBLEM :

RESTRICTIONS :

ACCEPTABLE ANSWERS:

50X1

SUBJECT: Analysis of Technical Surveillance Countermeasure

50X1

5. It becomes immediately obvious that Phase I must clearly state the problem and outline what resolution will be acceptable before Phase II can be considered at all.

6. Since Phase II is concerned with setting forth every conceivable approach toward establishing the best medium for resolving the problem and reducing it to mathematical interpretation it becomes equally obvious that this phase of resolution rightfully belongs to technical idea men, physicists, etc.

7. It is therefore recommended that the various problems be outlined as suggested forthwith and be submitted to all government research organizations which are cleared to TOP SECRET in search for an idea which can be developed into a solution for the problems. Even a cash incentive award is not unfeasible. It is believed that such a procedure would cut from one to two years off the time required if a separate group were to be set up to resolve the problems.

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